

Title (en)

Method and circuit for emulating the contact breaker of a horn

Title (de)

Verfahren und Anordnung zur Nachahmung eines Unterbrecherkontaktes einer Hupe

Title (fr)

Procédé et circuit de simulation d'un contacteur pour klaxon

Publication

**EP 0884719 A1 19981216 (EN)**

Application

**EP 97830275 A 19970609**

Priority

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Abstract (en)

The invention relates to a method and circuit for emulating a contact breaker in horns (2) comprising an inductor coil (15) powered from a battery (6) through a power driver device (3). The method major steps comprise: obtaining the derivative of the current value flowing through the inductor of the horn (2) coil (15); sensing a change in the slope of this derivative, and turning off a circuit portion (7) of the driver device (3) upon a negative slope being sensed; turning the circuit portion (7) back on with a transient of predetermined duration. <IMAGE>

IPC 1-7

**G10K 9/15**

IPC 8 full level

**G10K 9/15** (2006.01)

CPC (source: EP US)

**G10K 9/15** (2013.01 - EP US)

Citation (search report)

- [AD] US 5293149 A 19940308 - WILSON CARL R [US], et al
- [AD] US 5049853 A 19910917 - YOON YOUNG S [US]
- [AD] US 5457437 A 19951010 - KIM YOUNG S [KR]
- [AD] US 4871991 A 19891003 - NODA KAZUSHI [JP], et al
- [AD] US 5109212 A 19920428 - CORTINOVIS BRUNO [IT], et al

Cited by

DE10104590C1; US6111497A; US6819227B2; WO2013098157A1; WO0055841A1

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